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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6976 (1973): Awl, Kuntscher, Diamond Pointed [MHD 2 : Orthopaedic Instruments, Implants and Accessories]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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Indian Standard
SPECIFICATION FOR
AWL, KUNTSCHER, DIAMOND POINTED

1. Scope — Covers dimensional and other requirements of Kuntscher, diamond pointed awl used in orthopaedic surgery.

2. Shape and Dimensions — As shown in Fig. 1.

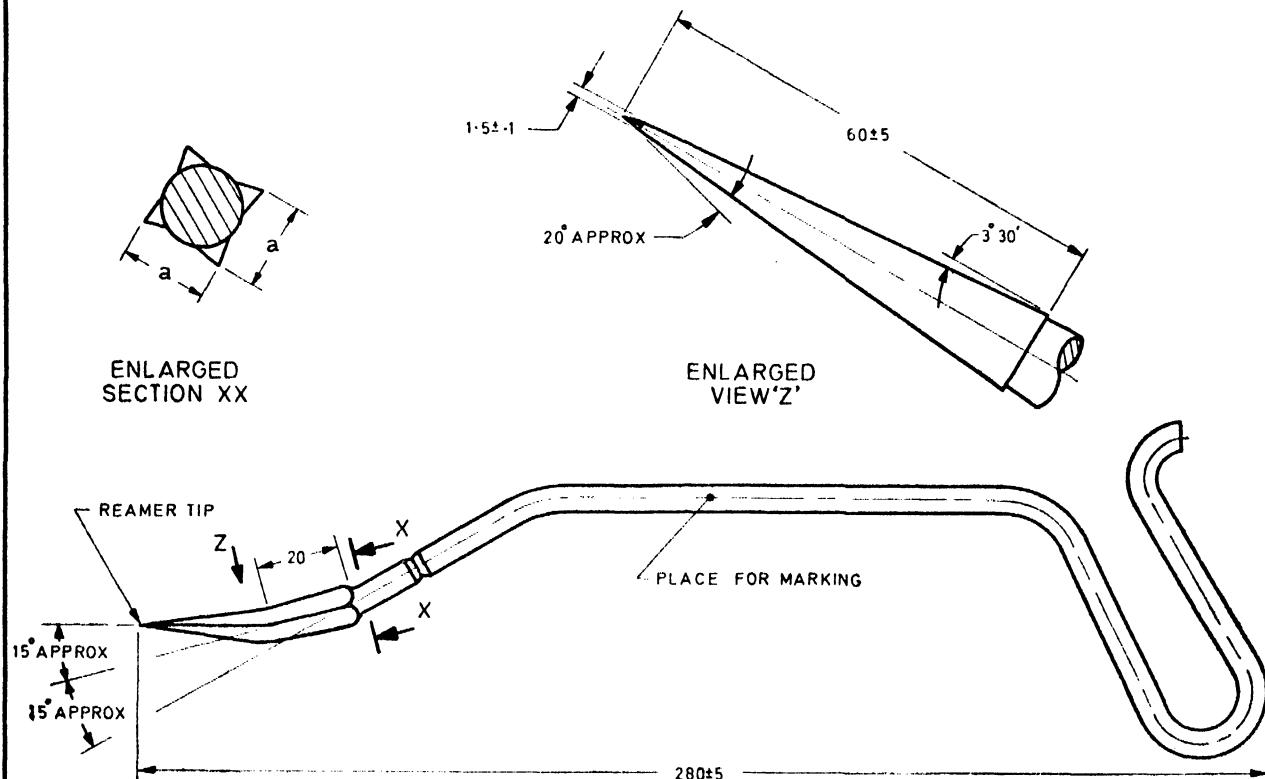


FIG. 1 AWL, KUNTSCHER, DIAMOND POINTED

3. Material — The awl shall be made of stainless steel conforming to Designation 30Cr13 of IS : 6603-1972 'Specification for stainless steel bars and flats'.

4. Heat Treatment — The awl shall be hardened and tempered to 450 to 500 HV.

5. Manufacture, Workmanship and Finish

5.1 The awl shall be made in one piece.

5.2 All the surfaces of the awl shall be free from pits, burrs, cracks and other surface defects.

5.3 The cutting edge of the instrument shall be properly sharpened and shall be free from nicks and waviness.

5.4 All other edges shall be even.

5.5 The awl shall be passivated and finished smooth and bright.

Adopted 10 July 1973

© November 1973, ISI

Price Rs 3.00

6. Tests

6.1 Performance Test — The awl shall be held firmly in one hand and five consecutive holes shall be made by it in a fresh sheep bone of about 8 to 10 mm thickness. The awl shall make the holes easily and cleanly without any sign of damage.

6.2 Corrosion Resistance Test — Scrub an awl sample with soap and warm water, rinse in hot water and then dip in 95 percent ethyl alcohol. Dry the sample. Immerse in copper sulphate solution at room temperature for 6 minutes and wash off with fresh water or wet cotton wool. Prepare the solution as follows:

Copper sulphate (CuSO ₄ .5H ₂ O)	4·0 g
Sulphuric acid (H ₂ SO ₄) (sp gr 1·84)	10·0 g
Distilled water [see IS : 1070-1960 ' Specification for water, distilled quality (revised) ']	90·0 ml

There shall be no red stains or spots on the sample but dulling of the polished surface may be permitted.

7. Marking — The awl shall be marked with the manufacturer's name, initials or recognized trade-mark.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution, New Delhi 110001.

8. Packing — As agreed to between the purchaser and the supplier.



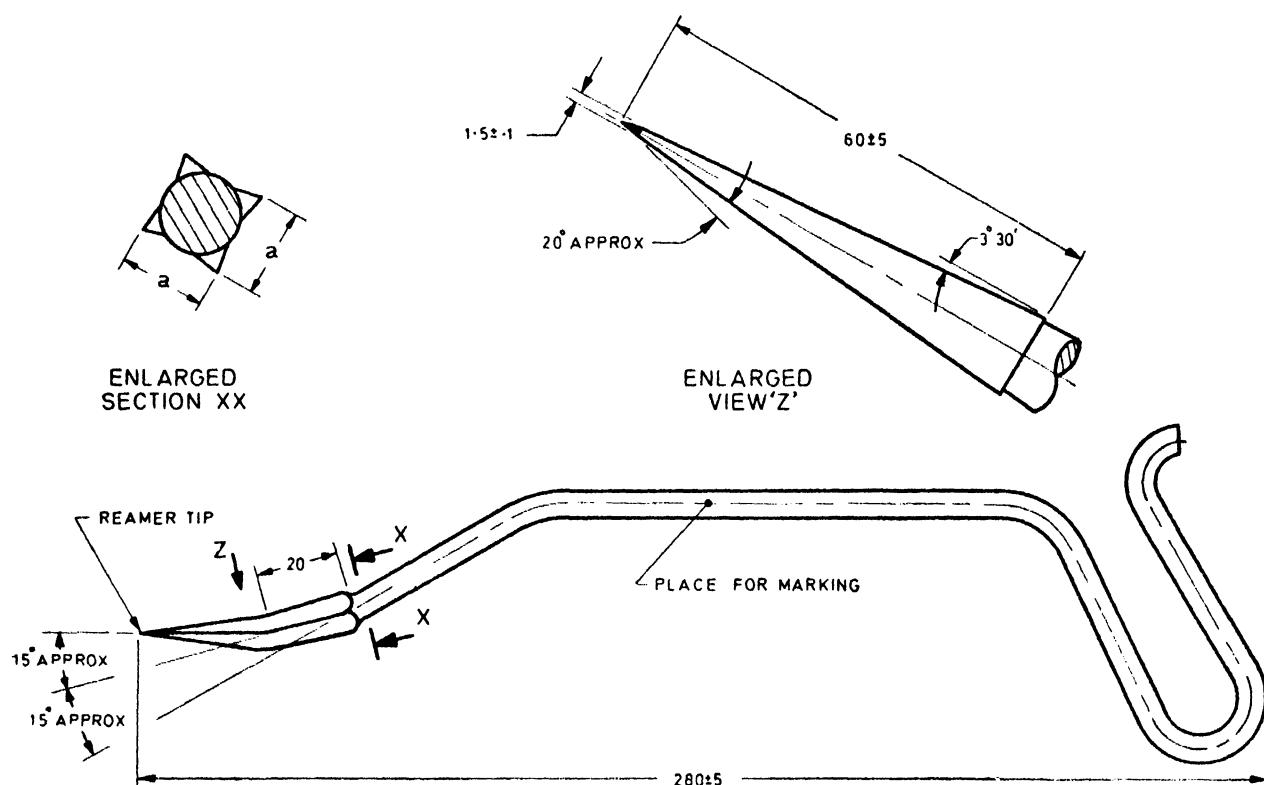
AMENDMENT NO. 1 NOVEMBER 1982

TO

IS : 6976-1973 SPECIFICATION FOR AWL, KUNTSCHER,
DIAMOND POINTED

Alteration

(Page 1, Fig. 1) — Substitute the following for the existing figure:



<i>a</i>	weight
± 0.2	g approx
8	160
10	180

All dimensions in millimetres.

FIG. 1 AWL, KUNTSCHER, DIAMOND POINTED

Addendum

(Page 1, clause 2) — Add the following new clause after 2.1:

2.1 Deviation of ± 2.5 percent shall be permitted on all dimensions except where otherwise specified.'